



### CONTACT

Markets and Products Information  
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## COMMUNICATION CABLES

Lynx<sup>eo</sup> produces a range of coaxial cables (50-95 Ω) for data transmission and video signal in onboard equipment. FLAMEX® products are compatible with all standard coaxial connectors.

### STANDARDS

**Product** EN 45545-2 (HL3); EN 50264-1; MIL C17; NF C93-550

### DESIGN

#### 1. Conductor

Stranded bare, tinned or silver coated copper

#### 2. Dielectric

Polyethylene (PE)

#### 3. Screen

Single or double braid in bare, tinned or silver coated copper

#### 4. Sheath

Cross-linked halogen-free

Colour: black. Optional lay up with fire barrier tapes

Example of marking: KX13 - 50 OHMS - DTREN 150017 - FLAMEX 239 - EDE 2PJ749 - week/year - Batch number

### ADDITIONAL INFORMATION

- Bending radius:
  - Static use: 5 x outer diameter
  - For installation and occasional movements: ... x outer cable diameter
- Standards: MIL C 17 (RG) - NF C 93 550 (KX)
- Compatible with standard connectors: SMA, SMB, TNC, BNC, N...
- Electrical characteristics:
  - COAXIAL CABLES 50 Ω: Capacity < 106 pF/m - Velocity of propagation 65.9%
  - COAXIAL CABLES 75 Ω: Capacity < 72.2 pF/m - Velocity of propagation 65.9%



Halogen free  
 EN 60754-1 & EN 60684-2



Flame retardant  
 IEC/EN 60332-1-2



Fire retardant  
 EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)



Smoke density  
 EN/IEC 61034-2



Gases toxicity  
 EN 50305-9.2



Electro magnetic interference resistance  
 Yes



Chemical resistance  
 Good

## CHARACTERISTICS

## Construction characteristics

Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Sheath colour	Black

## Usage characteristics

Flame retardant	IEC/EN 60332-1-2
Fire retardant	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
Smoke density	EN/IEC 61034-2
Gases toxicity	EN 50305-9.2
Electro magnetic interference resistance	Yes
Chemical resistance	Good

## FLAMEX® KX/RG COAXIAL 50 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10275486	2PJ749	FLAMEX® KX13 / RG214	7 x 0.75	Double braid	10.8	205
10283768	2PM708	FLAMEX® KX4 / RG213	7 x 0.75	Single braid	10.3	160
	2PM712	FLAMEX® KX15-2S	19 x 0.18	Double braid	5.38	50
10275487	2PM711	FLAMEX® KX15 / RG58	19 x 0.18	Single braid	4.95	45

## FLAMEX® KX/RG COAXIAL 75 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10275502	2PM709	FLAMEX® KX6A / RG59	7 x 0.20	Single braid	6.1	57
	2PM710	FLAMEX® KX8 / RG11	7 x 0.40	Single braid	10.3	122

## FLAMEX® KX/RG COAXIAL 95 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10276725	2PM713	FLAMEX® RG022	7 x 0.40	Double braid	10.7	200